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Creating Definitive Truth

Definitive Truth is Created by Decentralized Computation

> **Definitive:** Not able to be changed or improved

Cambridge Dictionary

> **True:** Being in accordance with the actual state or conditions; conforming to reality or fact

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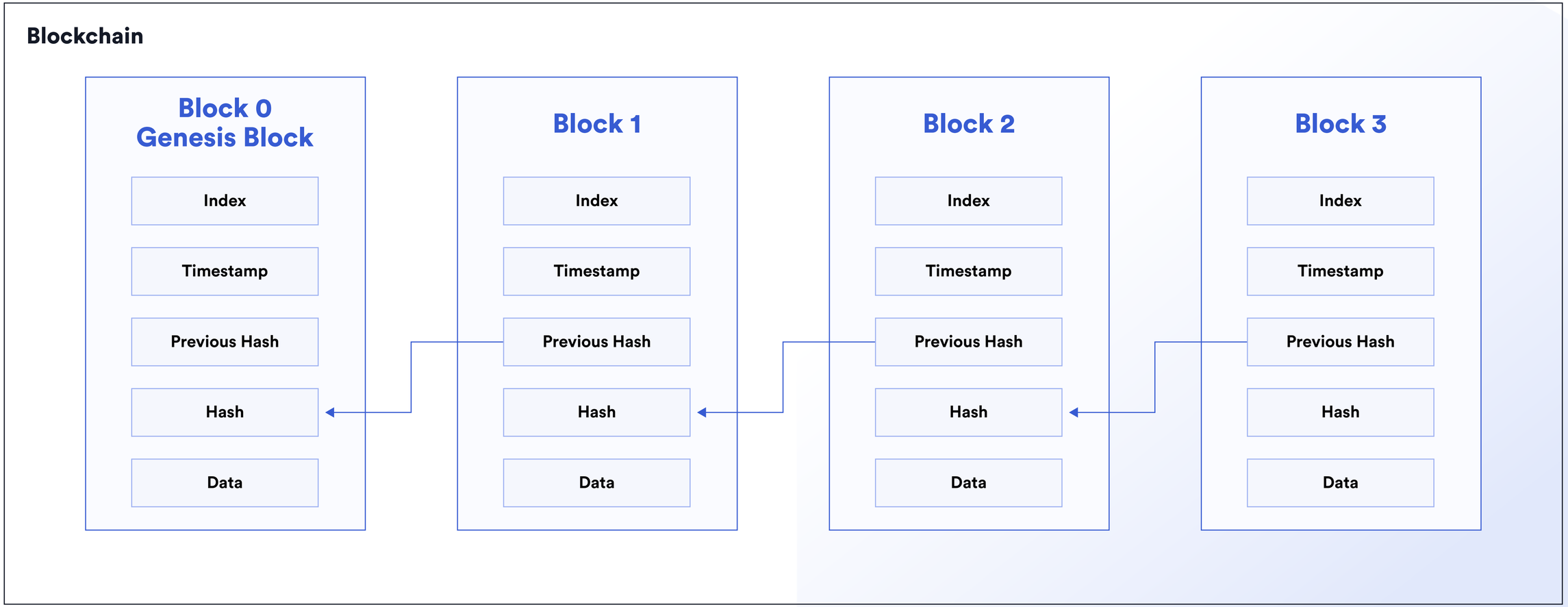
Blockchains Create an Unbreakable and Cryptographically secured Chain of Definitive Truth about “On-chain Data”



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Bitcoin is Definitive Truth about Bitcoin Ownership

GLOBAL BITCOIN NODES DISTRIBUTION

Reachable nodes as of Fri Aug 28 2020 22:22:01 GMT+0200 (Central European Summer Time).

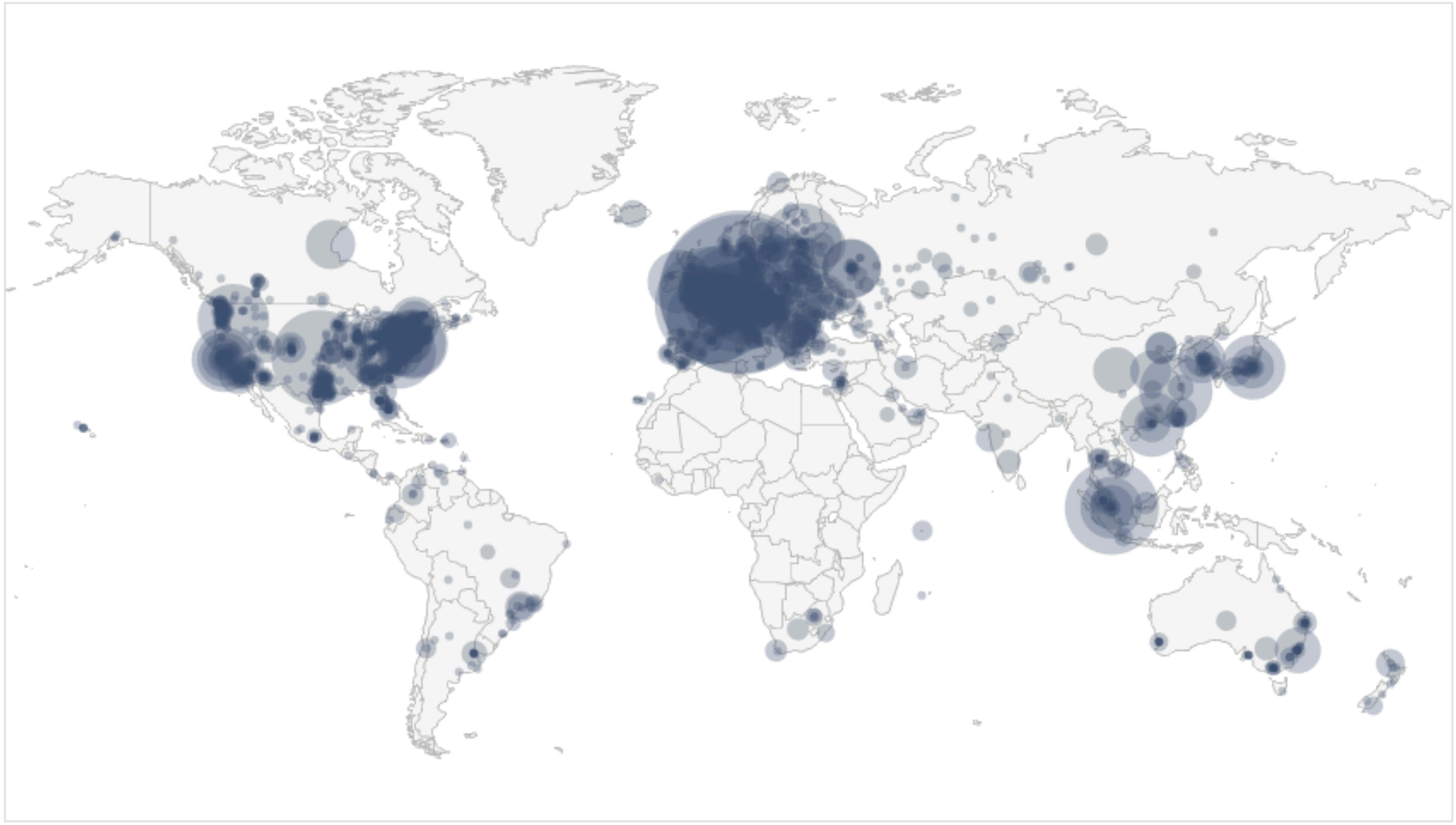
10314 NODES

24-hour charts »

Top 10 countries with their respective number of reachable nodes are as follow.

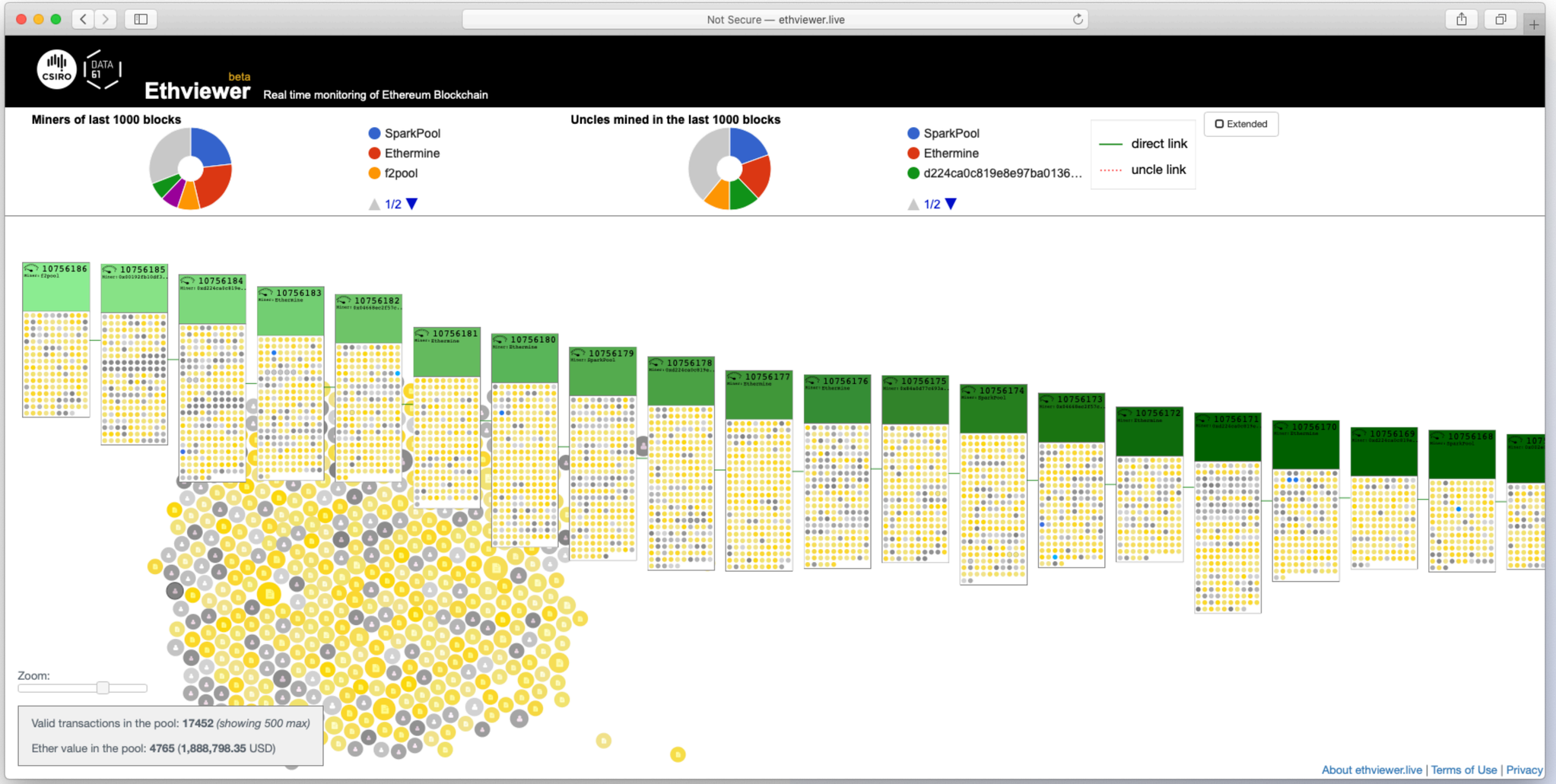
RANK	COUNTRY	NODES
1	n/a	2501 (24.25%)
2	United States	1875 (18.18%)
3	Germany	1776 (17.22%)
4	France	564 (5.47%)
5	Netherlands	427 (4.14%)
6	Canada	291 (2.82%)
7	Singapore	258 (2.50%)
8	United Kingdom	248 (2.40%)
9	Russian Federation	234 (2.27%)
10	China	163 (1.58%)

BITNODES



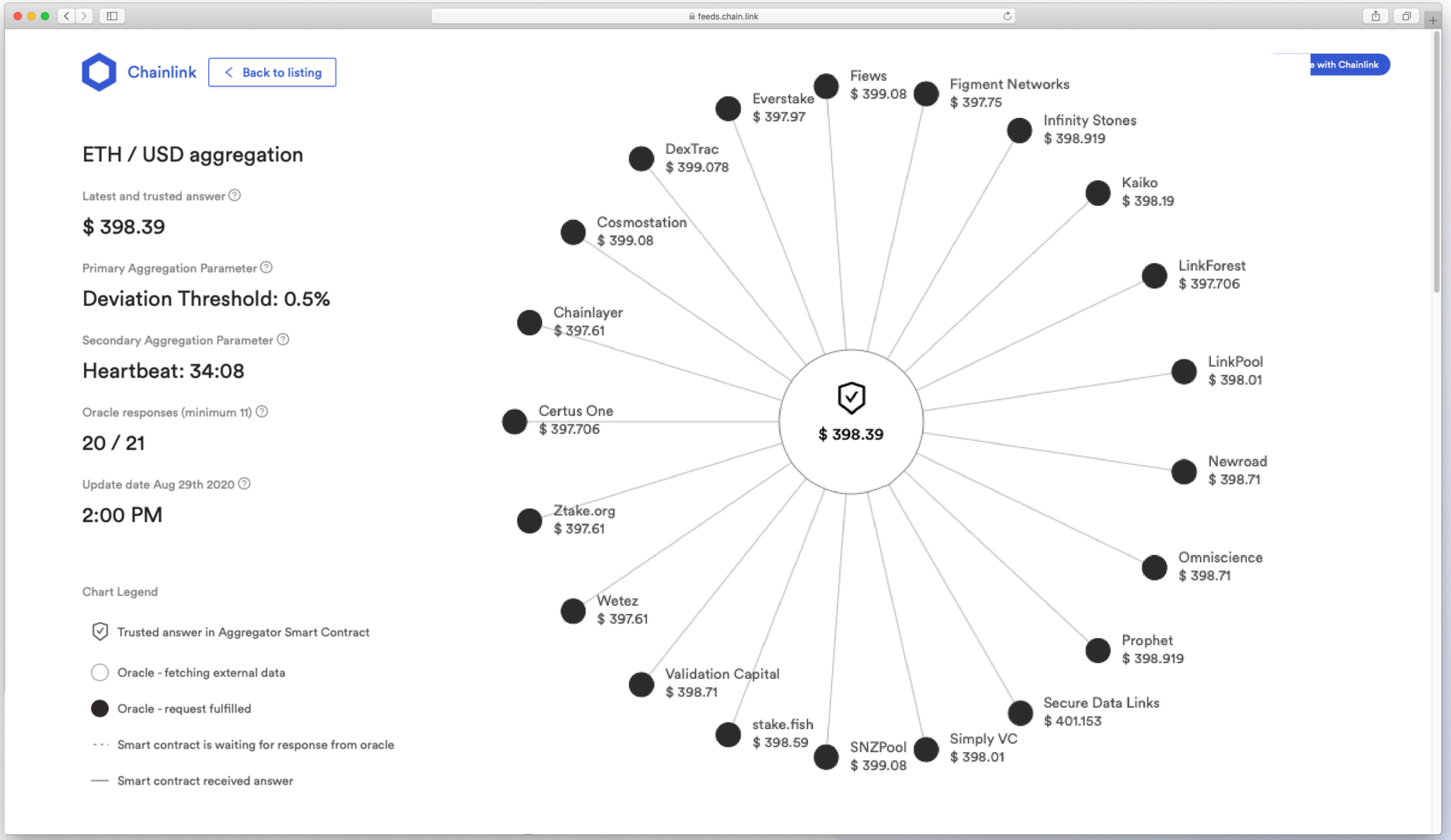
Map shows concentration of reachable Bitcoin nodes found in countries around the world.

Ethereum is Definitive Truth about Smart Contract State



http://ethviewer.live/

Chainlink is Definitive Truth about Real World Data/Events



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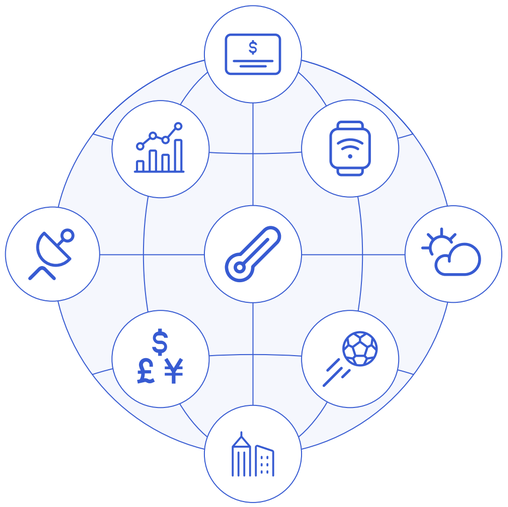
Chainlink is Definitive Truth about Real World Data/Events

Real World's Data Sources



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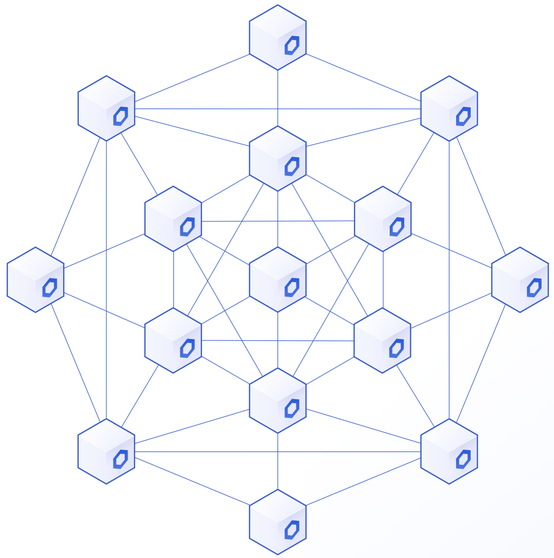
〈 011101 〉
〈 010010 〉

Decentralized Oracle Network



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〈 110110 〉

Decentralized Computation

Decentralized Oracles: A form of decentralized computation that validates data about real world events, creating definitive truth about those events and making it reliable enough for use by a smart contract.

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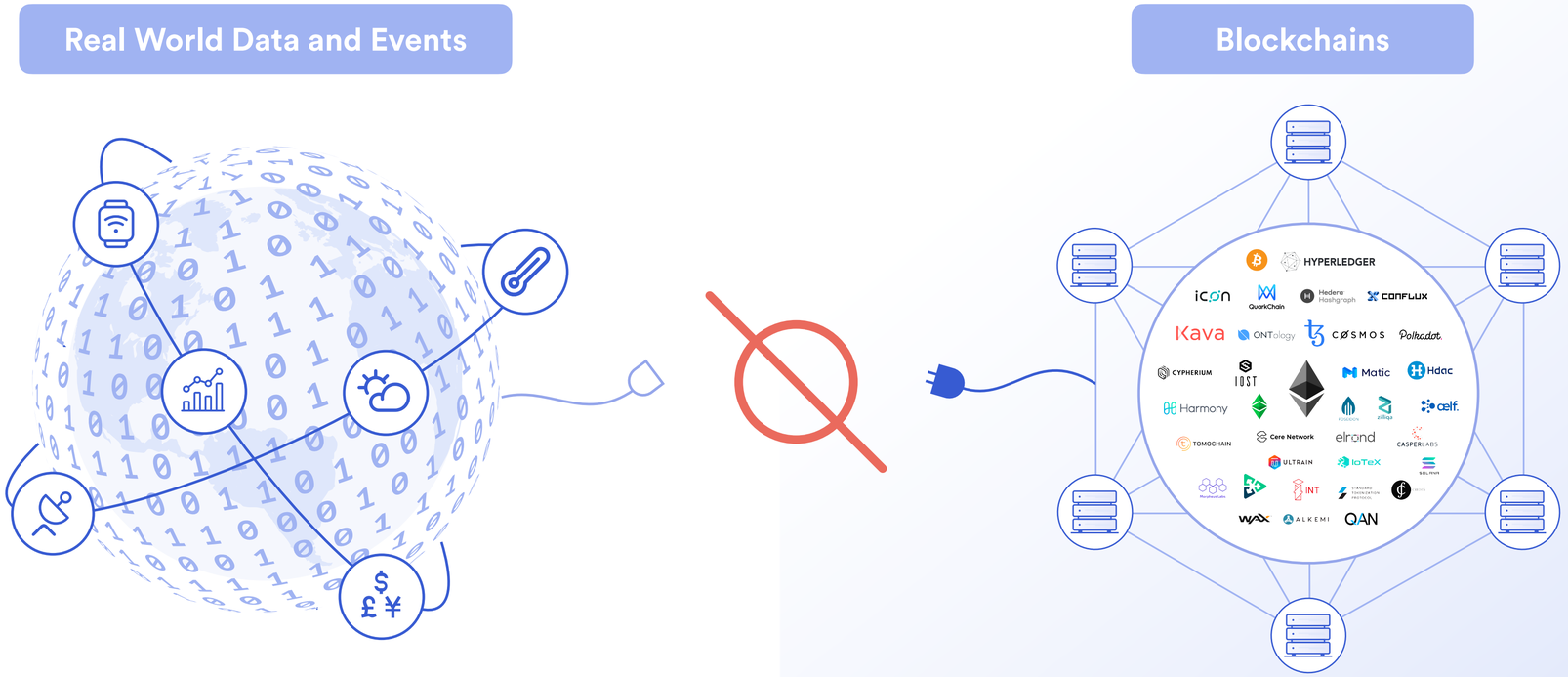
The “Oracle Problem” for Smart Contracts

Smart Contracts are unable to connect with external systems, data feeds, APIs, existing payment systems or any other off-chain resources on their own.



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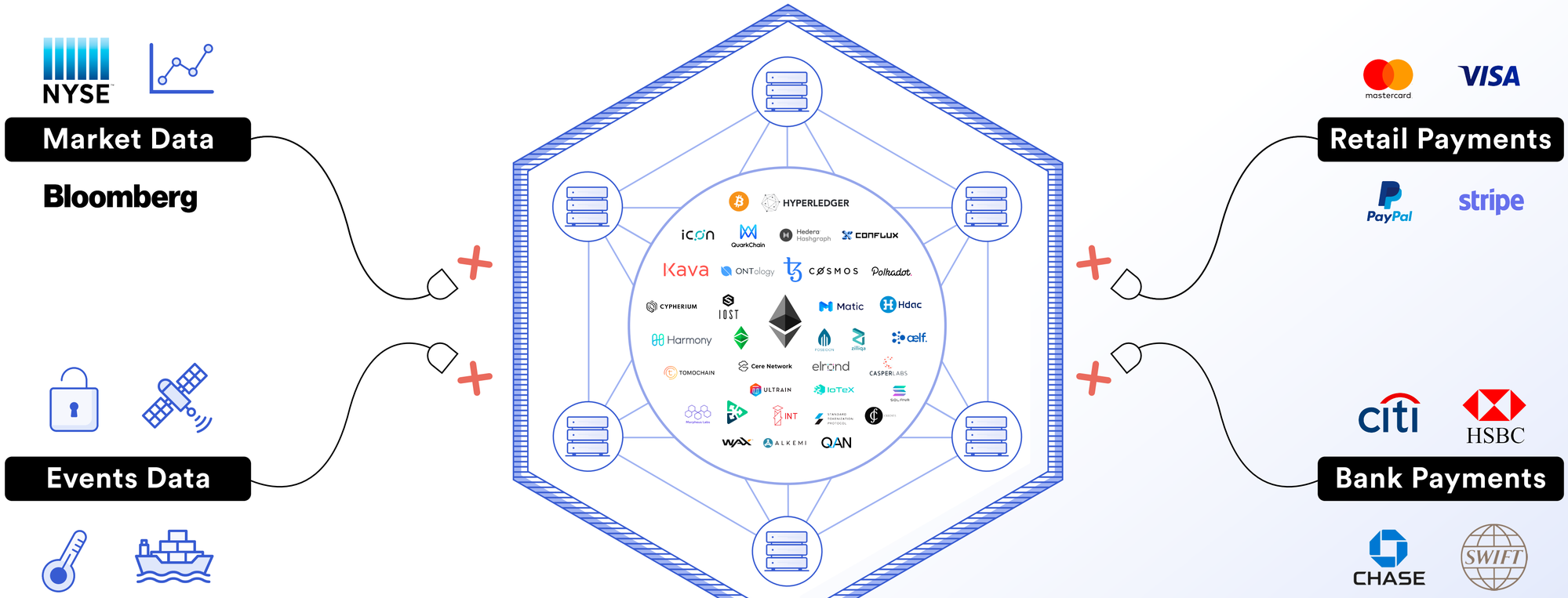
The “Oracle Problem” for Blockchains & Smart Contracts



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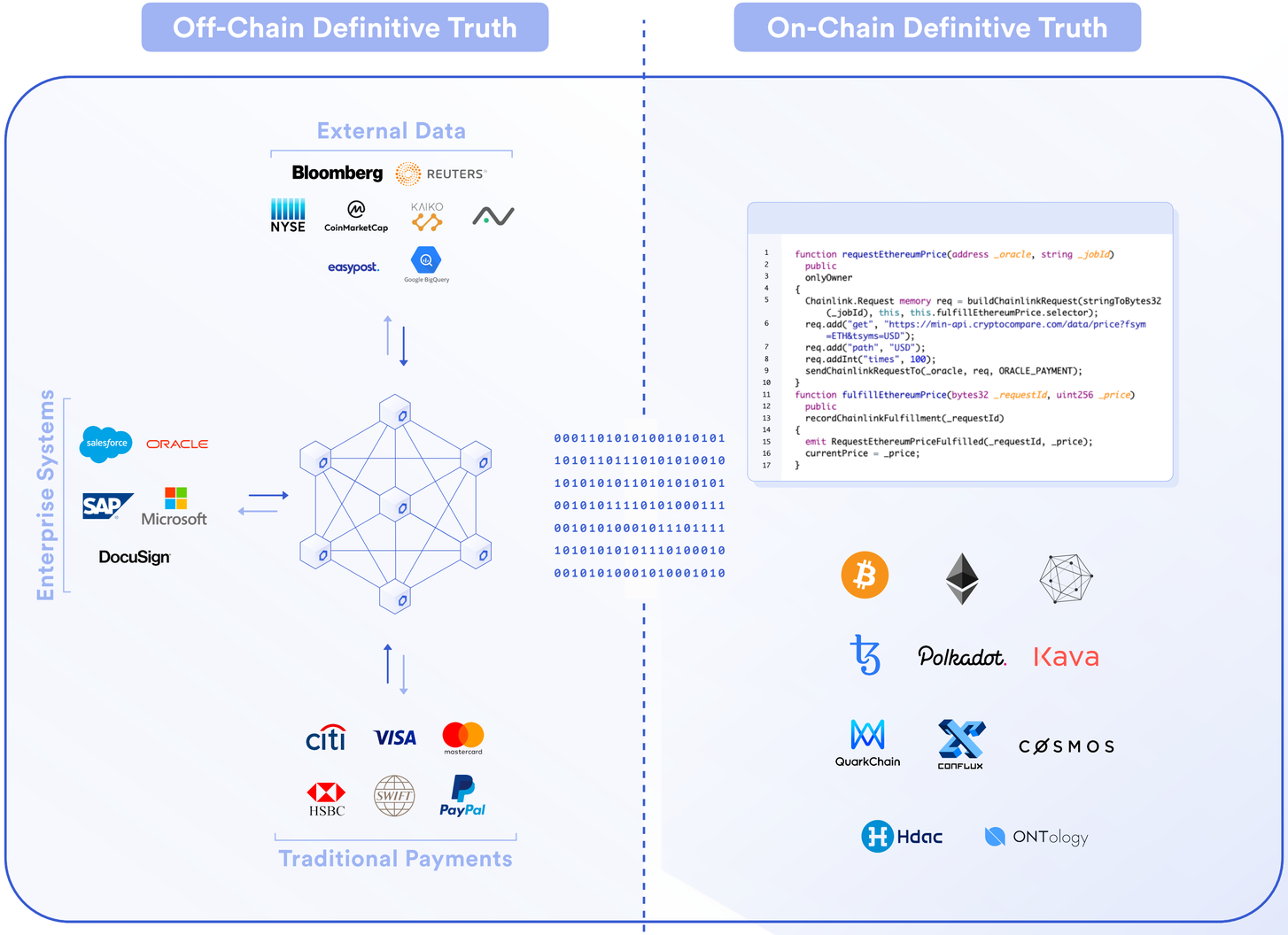
Increasing Definitive Truth Expands Smart Contracts



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DeFi is the Combination of Smart Contracts and Oracles

Total Value Locked (USD) in DeFi

DEFI PULSE

SYNTHETIX

AAVE

yearn

Nexus Mutual

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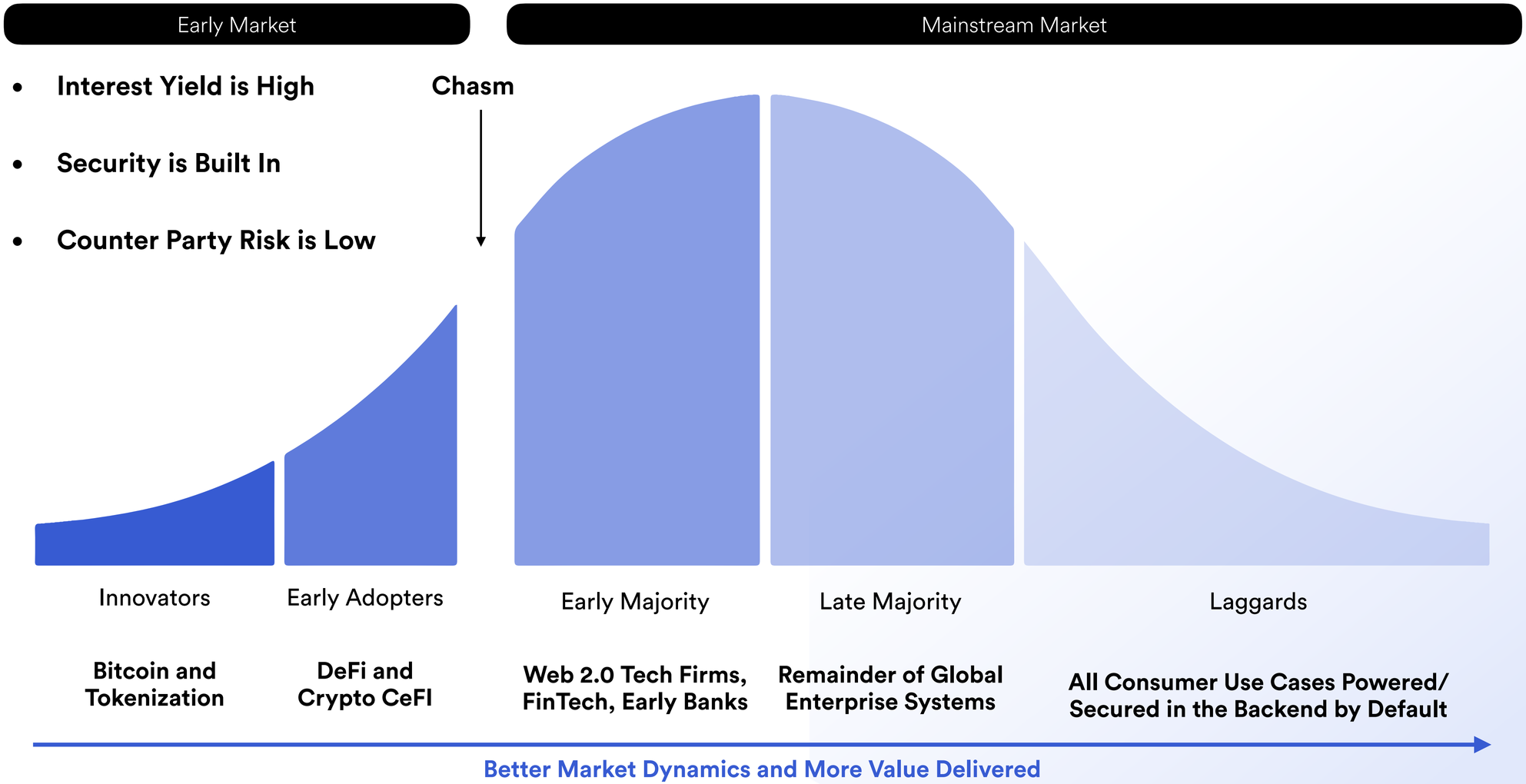
How Definitive Truth Will Permeate All Financial Markets



https://en.wikipedia.org/wiki/Crossing_the_Chasm

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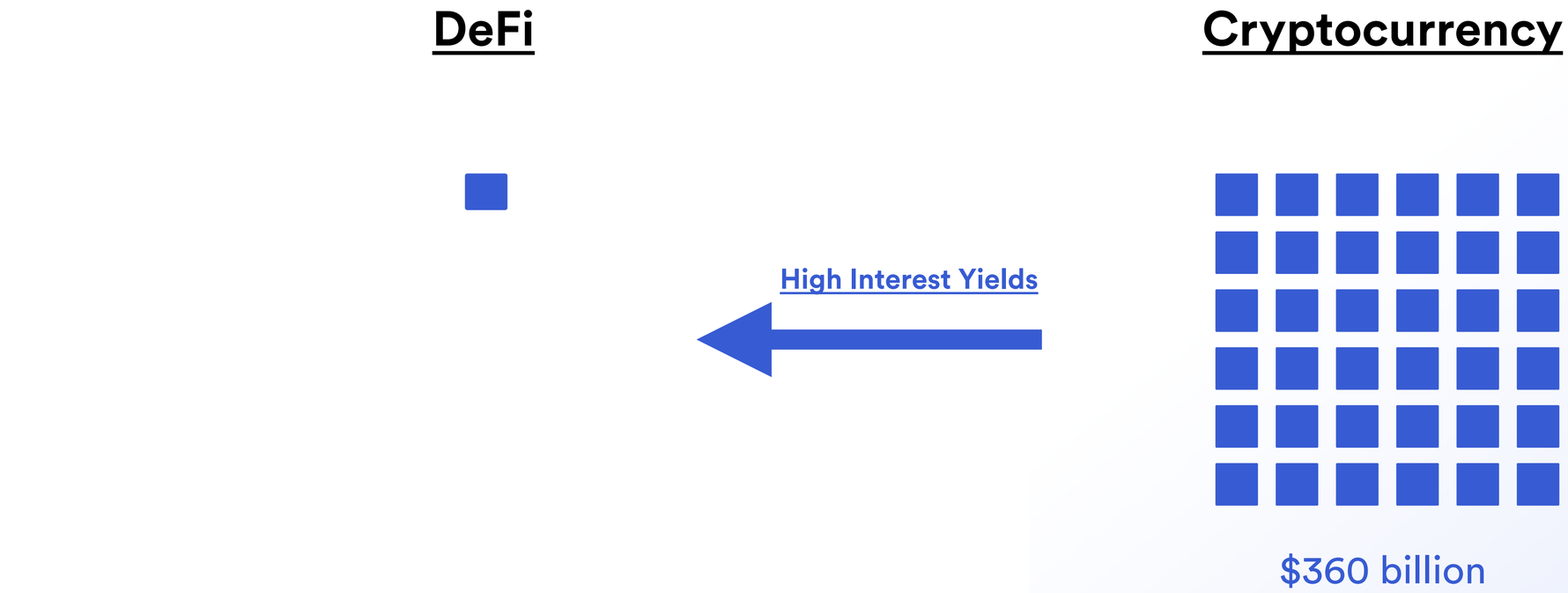
DeFi is Still Only 2.5% of All Value in Cryptocurrency



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The Remaining Market For Smart Contracts is Trillions

DeFi

-

Cryptocurrency

$360 billion

Gold

$10.9 trillion

Stock Market

$89.5 trillion

Global Real Estate

$280.6 trillion

Derivatives

$1 quadrillion

- $100 Billion

https://www.visualcapitalist.com/all-of-the-worlds-money-and-markets-in-one-visualization-2020/

SmartContract Adoption Through Superior Guarantees

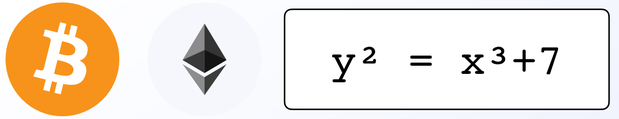
Counterparty Risk:

Counterparty risk is the likelihood or probability that one of those involved in a transaction might default on its contractual obligation.

Brand Based Contractual Guarantees

- **Counterparty risk is high and opaque**
- Interest yields are low and going lower
- Security is an after thought

Math Based Contractual Guarantees



- **Counterparty risk is low and transparent**
- Interest yields are consistently high
- Security is built-in

https://hackernoon.com/what-is-the-math-behind-elliptic-curve-cryptography-f61b25253da3

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Forward Looking Web 2.0 Firms are Already Converting

coindesk NEWS LEARN VIDEOS RESEARCH EVENTS

Story from **News** →

MicroStrategy Buys $250M in Bitcoin, Calling the Crypto 'Superior to Cash'

Aug 11, 2020 at 12:32 UTC • Updated Aug 11, 2020 at 14:44 UTC

https://www.coindesk.com/microstrategy-bitcoin-buy-protects-against-fiat-inflation

Danny Nelson

Publicly traded business intelligence firm MicroStrategy purchased 21,454 bitcoin on Tuesday, effectively pouring all $250 million of its planned inflation-hedging funds into the digital currency.

- Disclosing its bitcoin buy alongside an equivalent stock buyback in a Tuesday Securities and

"Publicly traded business intelligence firm MicroStrategy purchased 21,454 bitcoin on Tuesday, effectively pouring all $250 million of its planned inflation-hedging funds into the digital currency."

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Announcing the Acquisition of DECO and Chainlink Labs

DECO has been acquired by Chainlink

Chainlink Labs is launching a Full Research Program

Ari Juels is joining Chainlink Labs as Chief Scientist

Proving Data Source Origin with Confidentiality

Web 2.0 HTTPS Servers

TLS Session Proofs

1011010001010

DECO

Data Source Proofs

1100100000110

Smart Contract

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Providing Premium, Private and Unique Market Data to DeFi

Premium Data Sources

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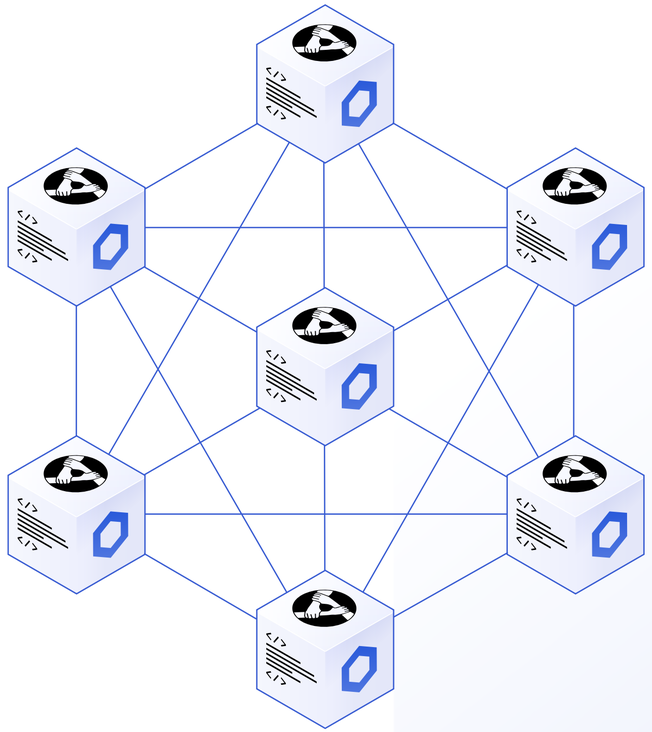
Data

Chainlink DECO Network



Data

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Blockchains

Chainlink

Confidentially Proving Collateral Solvency for DeFi

Collaterals

Chainlink DECO Network

Smart Contracts Network

Data

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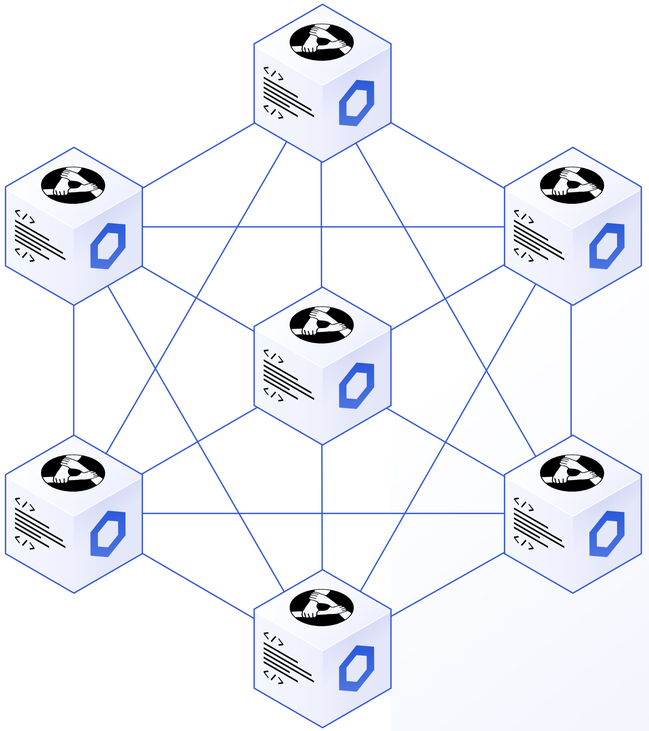

Data

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Proving Digital Identity for AML/KYC and DeFi Usage

Identity & Bank Balance

Data

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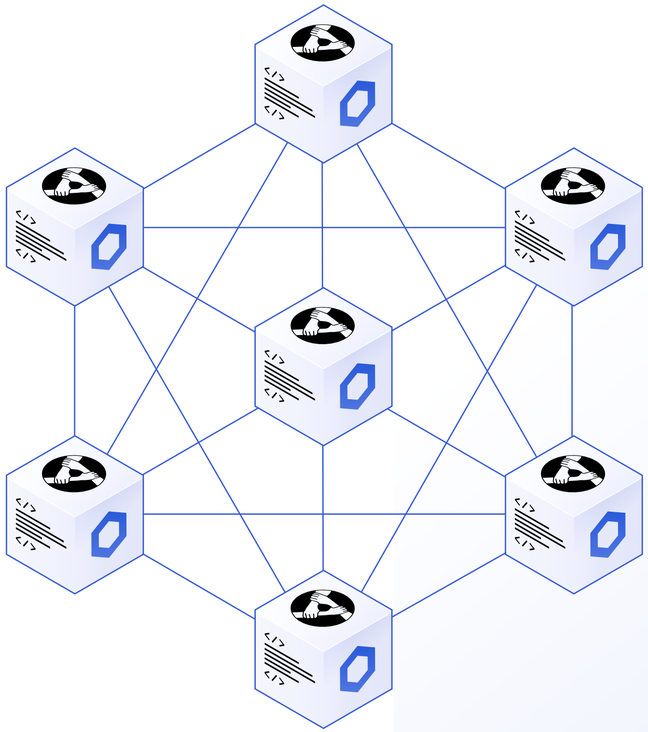
Chainlink DECO Network



Data

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Blockchains

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Single Source Enterprise Events Proven with Validation

Enterprise

Data

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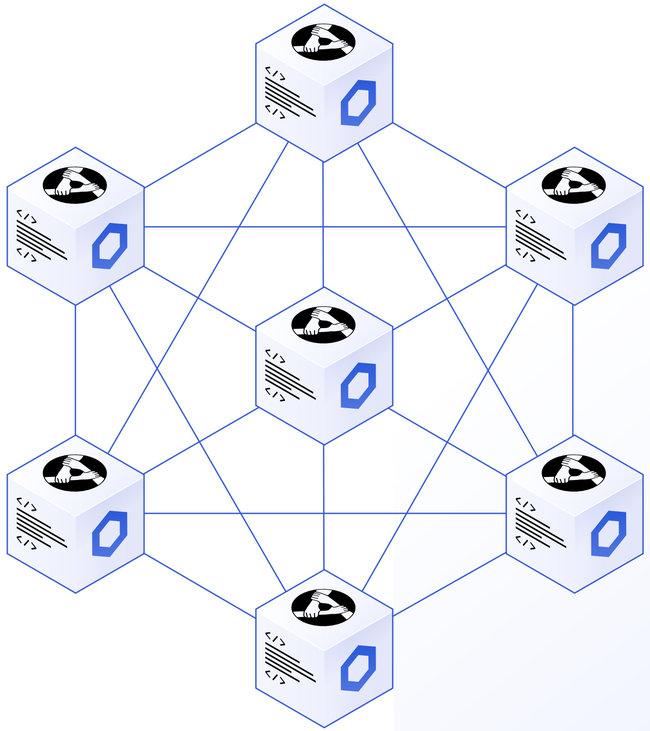
Chainlink DECO Network



Data

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Blockchains

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Enterprises Will Need to Interact With Multiple Chains

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Enterprises Can Access Any/All Blockchains Efficiently

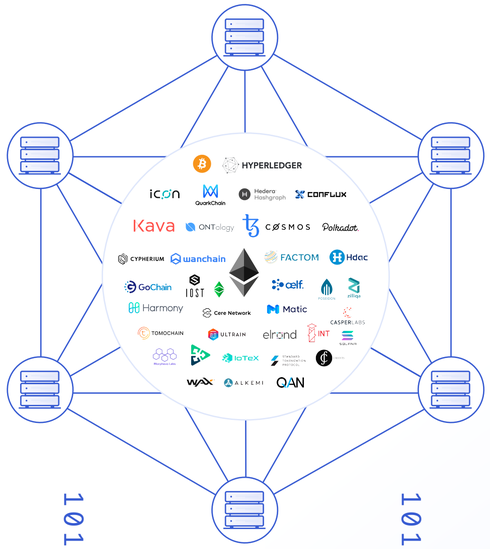
Web 2.0 and Enterprise

Workflows and User Interfaces

Backend Systems and Services

Secure Blockchain Middleware

Blockchains and Smart Contracts



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External Data

API

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Traditional Payments

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Web 2.0 and Enterprise

Workflows and User Interfaces

Backend Systems and Services

Secure Blockchain Middleware

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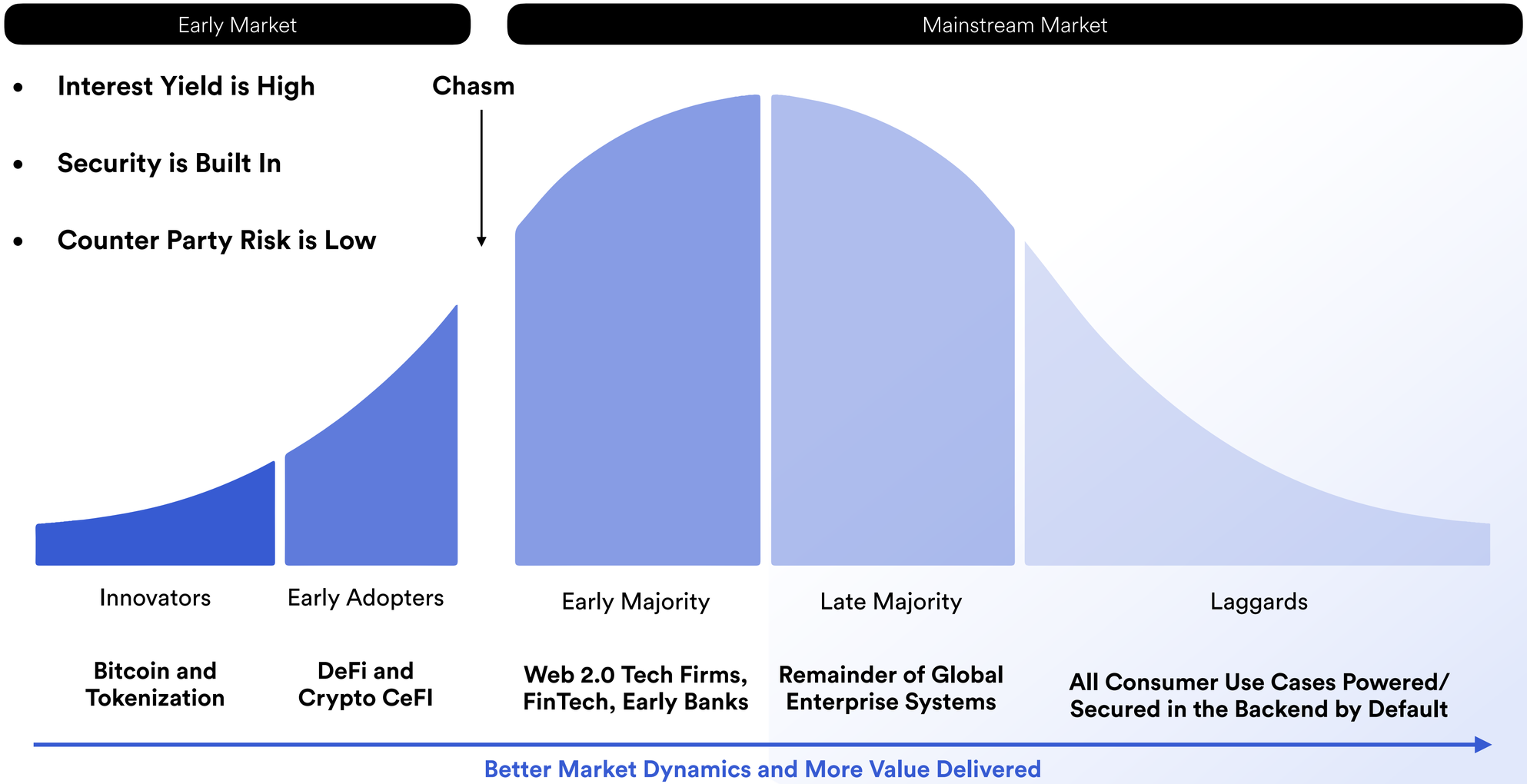
How Definitive Truth Will Permeate All Financial Markets



https://en.wikipedia.org/wiki/Crossing_the_Chasm

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Thank You

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